AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

Claim 1 (previously presented): A method of activating an inactive terminal (6) of a data

network (1), which terminal is connected to a telephone network (4), for establishing a

connection through the data network (1) between a further terminal (5) and the terminal (6) to be

activated,

characterized by the following steps:

- establishing a connection to a server (11) of the data network (1) and transmitting an

- identifier of the terminal (6) to be activated to the server (11) of the data network (1);

- receiving the identifier at the server (11) of the data network (1);

- interpreting the identifier at the server (11) of the data network (1) to determine the telephone

  number of the terminal (11) to be activated;

- making a telephone call from the server (11) of the data network (1) through the telephone

  network (4) to the terminal (6) to be activated;

- signaling the identity of the server (11) of the data network through the telephone network

  (4) to the terminal (6) to be activated;

- receiving the telephone call and interpreting the signaling at the terminal (6) to be activated;

- terminating the telephone call to the terminal (6) by the server (11) of the data network (1);

and

- establishing a connection from the terminal (6) to be activated to the data network (1) if the

signaling indicates that the telephone call came from a server (11) of the data network (1).

Claim 2 (original): A method as claimed in claim 1, characterized in that the establishment

of the connection to the server (11) of the data network (1) and the transmission of the identifier

of the terminal (6) to be activated to the server (11) of the data network (1) are effected by the

further terminal (5).

Claim 3 (previously presented): A method as claimed in claim 1, characterized in that, in

order to establish a connection between the further terminal and the terminal to be activated,

- the terminal (6) to be activated establishes a connection to a server (11) of the data network

(1) and transmits its identifier to the server (11) or the identifier is determined by the server

(11);

- the data network addresses of the two terminals (5, 6) are transmitted by the server (11) of

the data network to the respective other terminal (5; 6), or are retrieved by the terminals (5,

6) from the server (11); and

- a connection is established by the terminals (5, 6) through the telephone network (4) and the

data network (1).

3

Claim 4 (previously presented): A method as claimed in claim 1, characterized in that the data network (1) is designed an as Internet Protocol (IP) network.

Claim 5 (previously presented): A method as claimed in claim 4, characterized in that the further terminal (5) is a calling party's terminal (5) connected to a telephone network (4), and in that the terminal (6) to be activated is a called party's terminal (6) connected to the telephone network (4), the called party's terminal (6) being activated to set up a voice call between the calling party's terminal (5) and the called party's terminal (6) through the IP network (1).

Claim 6 (previously presented): A method as claimed in claim 5, characterized by the following steps:

- The calling party dials at his or her terminal (5) the telephone number of the terminal (6) of the called party;

- a first Voice-over-IP (VoIP) adapter unit (9), connected between the terminal (5) of the calling party and the telephone network (4), receives the dialed telephone number;

- the first VoIP adapter unit (9) establishes a connection through the telephone network (4) to a POP server (2) and through the latter to the data network (1);

- the first VoIP adapter unit (9) transmits the called-party telephone number and its own IP address over the IP network (1) to a VoIP server (11) of the data network (1);

- the VoIP server (11) receives the called-party telephone number and the IP address of the first VoIP adapter unit (9);

- the VoIP server (11) dials up the terminal (6) of the called party through the telephone network (4);

- over the telephone network (4), the telephone number of the VoIP server (11) is signaled to the terminal (6) of the called party;

- a second VoIP adapter unit (10), connected between the terminal (6) of the called party and the telephone network (4), receives the telephone number of the VoIP server (11);

- the second VoIP adapter unit (10) compares the telephone number with telephone numbers of known VoIP servers;

- the second VoIP adapter unit (10) identifies the VoIP server (11) and prevents the incoming call from being transferred to the terminal (6) of the called party;

- the second VoIP adapter unit (10) establishes a connection to a POP server (3) through the telephone network (4);

- the second VoIP adapter unit (10) transmits its IP address to the VoIP server (11) over the IP network (1);

- the VoIP server (11) transmits the IP address of the first VoIP adapter unit (9) to the second VoIP adapter unit (10), and the VoIP server (11) transmits the IP address of the second VoIP adapter unit (10) to the first VoIP adapter unit (9);

- an IP connection is established from the first VoIP adapter unit (9) to the second VoIP

  adapter unit (10);

- the second VoIP adapter unit (10) causes a telephone call to be sent to the terminal (6) of the

  called party; and

- a voice call is established between the terminal (5) of the calling party and the terminal (6) of

  the called party if the called party accepts the telephone call.

Claim 7 (original): A method as claimed in claim 6, characterized in that the VoIP server

(11) and the POP server (2; 3) are combined in a common POP/VoIP server.

Claim 8 (currently amended): A server (11) of a data network, characterized by

- means for receiving from a terminal (5) an identifier of a terminal (6) to be activated, which

  is connected to a telephone network (4);

- means for making a telephone call over the telephone network (4) to the terminal (6) to be

  activated; and

- means for terminating the telephone call to the terminal (6) to be activated,

    wherein, the terminal to be activated is a terminal which has not yet established a

  connection through the data network.

Claim 9 (original): A server (11) as claimed in claim 8, characterized in that it is designed

as an access server (2; 3) of an IP network (1).

Claim 10 (previously presented): A server (11) as claimed in claim 8, further comprising

means for interpreting the identifier and determining the telephone number of the terminal (6) to

be activated.

Claim 11 (previously presented): A server (11) as claimed in claim 8, characterized in that

the server (2, 3, 11) further comprises means for accepting a telephone call received from the

terminal (5) over the telephone network (4), and means for establishing a connection from the

terminal (5) to the data network (1).

Claim 12 (previously presented): An adapter unit (9) connected between a terminal (5; 6) of

a telephone network (4) and the telephone network (4), characterized by

-   means for establishing a connection from the terminal (5) to a server (2; 3) of a data network

    (1) over the telephone network (4);

-   means for receiving a telephone call of a server (11) of the data network (1);

-   means for interpreting a telephone number of a caller;

- means for comparing the telephone number of the caller with the telephone numbers of

   known servers of the data network;

- means for retrieving and/or receiving a data network address of a further adapter unit (10; 9)

   from the server of the data network (1); and

- means for establishing a data call to the further adapter unit (10; 9) through the data network

   (1).

Claim 13 (previously presented): An adapter unit (9; 10) as claimed in claim 12, further

comprising means for transmitting the identifier of a terminal (6) to be activated or the

identification of a called party to the server (2; 3) of the data network (1).

Claim 14 (previously presented): An adapter unit (9; 10) as claimed in claim 12,

characterized by being implemented as a microcomputer with a processor, a memory, an

interface to the telephone network (4), and an interface to an Internet Protocol (IP) network (1).

Claim 15 (previously presented): A telephone (5, 6) configured for connection to a

telephone network (4), characterized in that an adapter unit (9; 10) is incorporated in the

telephone (5, 6), said adapter unit comprising:

- means for establishing a connection from the telephone (5, 6) to a server (2; 3) of a data

   network (1) over the telephone network (4);

8

- means for receiving a telephone call of a server (11) of the data network (1);

- means for interpreting a telephone number of a caller;

- means for comparing the telephone number of the caller with telephone numbers of known servers of the data network;

- means for retrieving and/or receiving a data network address of a further adapter unit (10; 9) from the server of the data network (1); and

- means for establishing a data call to the further adapter unit (10; 9) through the data network (1).

Claim 16 (previously presented): A microcomputer comprising a modulator-demodulator (modem) or an ISDN adapter, wherein the modem or the ISDN adapter being configured for connection to a telephone network (4), and including an adapter unit (9, 10), said adapter unit (9, 10) comprising:

- means for establishing a connection from the microcomputer to a server (2; 3) of a data network (1) over the telephone network (4);

- means for receiving a telephone call of a server (11) of the data network (1);

- means for interpreting a telephone number of a caller;

- means for comparing the telephone number of the caller with telephone numbers of known servers of the data network;

- means for retrieving and/or receiving a data network address of a further adapter unit (10; 9)

    from the server of the data network (1); and

- means for establishing a data call to the further adapter unit (10; 9) through the data network

    (1).

Claim 17 (previously presented) A microcomputer as claimed in claim 16, wherein said

microcomputer is a personal computer.

Claim 18 (previously presented) A method of activating an inactive terminal (6) of a data

network (1), which terminal is connected to a telephone network (4), for establishing a

connection through the data network (1) between a further terminal (5) and the terminal (6) to be

activated,

characterized by the following steps:

- establishing a connection to a server (11) of the data network (1) and transmitting an

    identifier of the terminal (6) to be activated to the server (11) of the data network (1);

- receiving the identifier at the server (11) of the data network (1);

- interpreting the identifier at the server (11) of the data network (1) to determine the telephone

    number of the terminal (11) to be activated;

- making a telephone call from the server (11) of the data network (1) through the telephone

  network (4) to the terminal (6) to be activated;

- signaling the identity of the server (11) of the data network through the telephone network

  (4) to the terminal (6) to be activated; and

- receiving the telephone call and interpreting the signaling at the terminal (6) to be activated;

  wherein, when said terminal (6) to be activated receives the telephone call and interprets the

signaling, said terminal (6) to be activated does not accept the telephone call from the server (11)

if said terminal (6) to be activated recognizes the signaling as being from the server (11).

Claim 19 (previously presented): An adapter unit (9) connected between a terminal (5; 6) of

a telephone network (4) and the telephone network (4), characterized by

- means for establishing a connection from the terminal (5) to a server (2; 3) of a data network

  (1) over the telephone network (4);

- means for receiving a telephone call of a server (11) of the data network (1);

- means for interpreting a telephone number of a caller; and

- means for comparing the telephone number of the caller with the telephone numbers of

  known servers of the data network;

wherein the adapter unit (9) does not accept the telephone call from the server (11) of the

data network (1) if said means for comparing determines that the telephone number of the caller

is a telephone number of a known server of the data network.

Claim 20 (new) The method of activating an inactive terminal according to claim 1,

wherein, the terminal to be activated is a terminal which has not yet established a

connection through the data network.

Claim 21 (new) The server of a data network according to claim 8,

wherein, the terminal to be activated is a terminal which has not yet established a

connection through the data network.

Claim 22 (new) The method of activating an inactive terminal according to claim 18,

wherein, the terminal to be activated is a terminal which has not yet established a

connection through the data network.

Claim 23 (new) The method of activating an inactive terminal according to claim 1,

wherein, the connection from the terminal to be activated to the data network is

established after terminating the telephone call to the terminal by the server of the data network.

Claim 24 (new) The adapter unit according to claim 12,

wherein, the adapter unit is connected between a terminal of the telephone network and

the telephone network.

Claim 25 (new) The telephone according to claim 15,

wherein, the adapter unit is incorporated in the telephone.

Claim 26 (new) The adaptor unit according to claim 19,

wherein, the adapter unit is connected between a terminal of the telephone network and

the telephone network.